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FIGURE 1

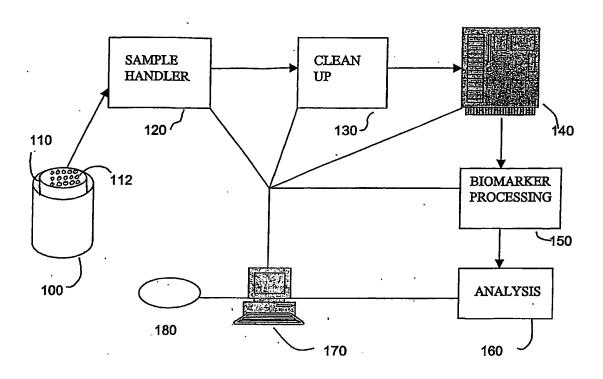
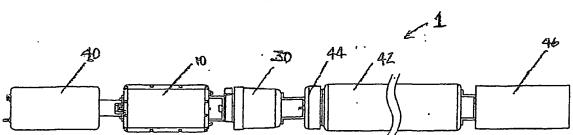


FIG. 2



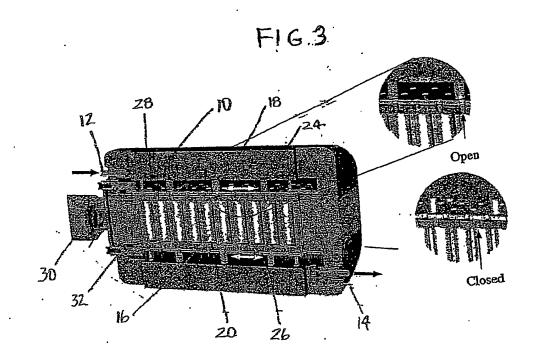
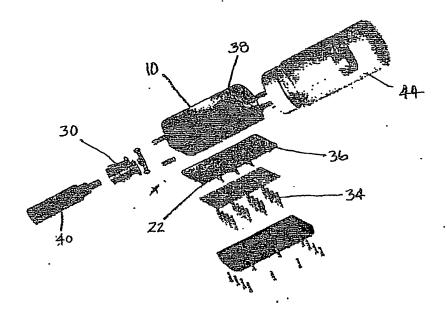
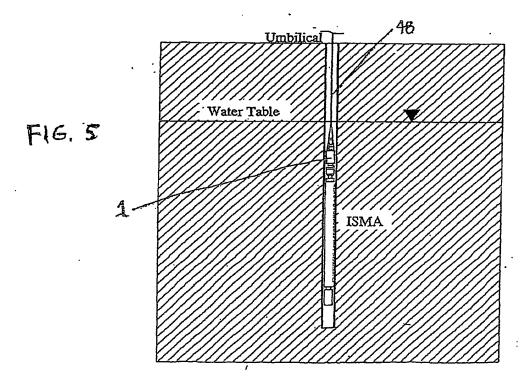


FIG. 4





## **Biological Cells or Environmental Sample**

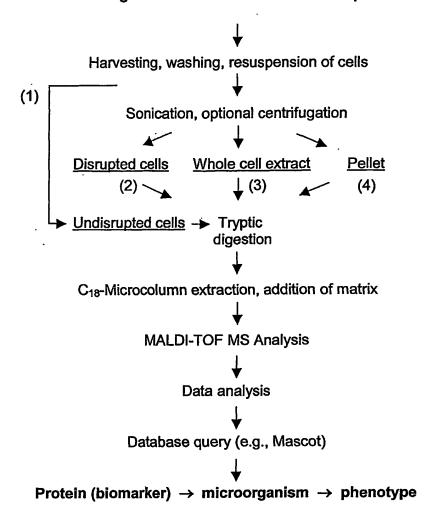


FIGURE 6

## **Environmental / Clinical Specimen**



Addition of Internal Standard for Quantification



Size Fractionation of Sample to Concentrate Parasites (Centrifugation, Filtration, etc)



Harvesting of Parasites by Centrifugation



**Disruption of Parasites** 



Centrifugation of Cell Debris to Fractionate Soluble Proteins



**Enzymatic Digestions of Target Proteins** 



Drying, Desalting, Addition of Matrix



Spotting of Purified Digests on Target Plate



Sample Preparation



Analysis

Affinity Chromatography & Optical Signal Detection



MALDI-TOF MS Peptide Fingerprinting



Multidimensional MS Peptide Sequencing

FIGURE 7